

SELF-COOLING BEVERAGE CONTAINER WITH PERMEABLE WALL

Abstract

A self-cooling container for water or other beverage utilizing a non-porous moisture vapor permeable membrane is provided. The membrane allows moisture vapor to escape while preventing penetration of contaminants including liquids, particulates, and bacteria. Evaporative cooling keeps the beverage temperature below ambient. Optionally, the membrane can be laminated to a fabric material for reinforcement.